

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P#

Luminaire Tested: **44ID-180-L935-CFR2**

Issue Date: 9/24/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (13890049.01)
Test Lab: INNOVATION CENTER
Issue Date: 9/24/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 44ID-180-L935-CFR2
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 3500K CCT, 90CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

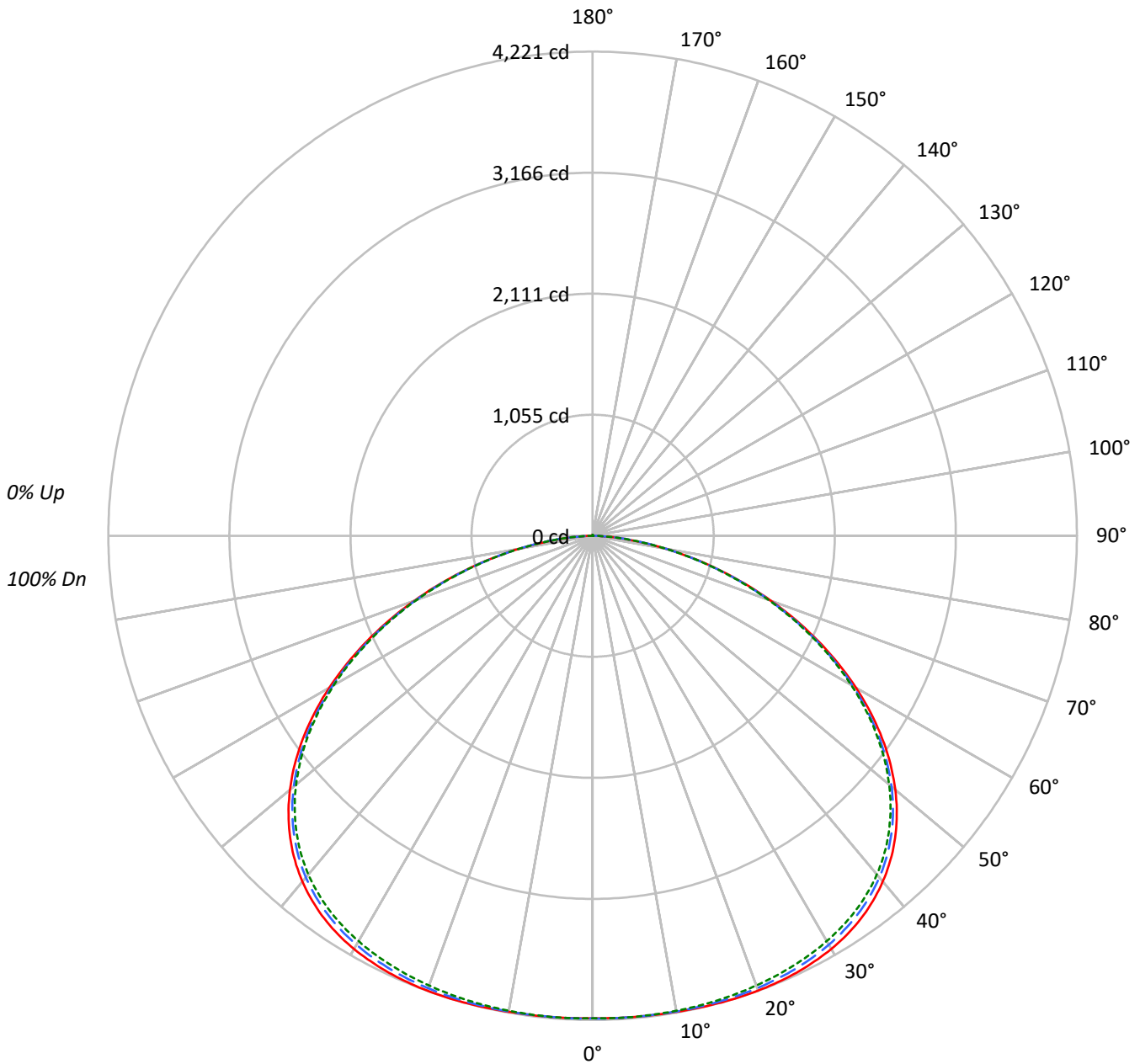
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15231.9 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57
Luminous Opening: Rectangular (W 3.88' x L: 3.88' x H: 0')
CIE Type: Direct

Input Watts (W): 145.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	82			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68			
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	63	58	56			
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47			
5	74	61	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35			
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30			
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27			
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24			
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3003	3003	3003
5°	3017	3017	3017
10°	3055	3052	3048
15°	3119	3111	3100
20°	3205	3188	3170
25°	3310	3284	3259
30°	3429	3394	3364
35°	3552	3511	3479
40°	3667	3623	3592
45°	3763	3717	3686
50°	3824	3777	3747
55°	3836	3789	3761
60°	3785	3739	3717
65°	3662	3621	3603
70°	3452	3416	3399
75°	3127	3107	3093
80°	2660	2669	2641
85°	1981	2030	2027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.9	2.6
10°-20°	1192.3	7.8
20°-30°	1927.4	12.7
30°-40°	2524.5	16.6
40°-50°	2839.6	18.6
50°-60°	2717.2	17.8
60°-70°	2119.2	13.9
70°-80°	1194.3	7.8
80°-90°	295.5	1.9
90°-100°	1.0	0.0
100°-110°	1.7	0.0
110°-120°	3.1	0.0
120°-130°	4.8	0.0
130°-140°	3.8	0.0
140°-150°	2.3	0.0
150°-160°	1.7	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	3521.6	23.1
0°-40°	6046.1	39.7
0°-60°	11602.9	76.2
0°-90°	15211.9	99.9
90°-120°	5.8	0.0
90°-150°	16.8	0.1
90°-180°	20.0	0.1
0°-180°	15231.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4207	4207	4207	4207	4207	
5°	4211	4212	4211	4211	4210	402
15°	4220	4219	4209	4200	4194	1196
25°	4202	4195	4170	4146	4137	1942
35°	4075	4062	4028	4004	3992	2551
45°	3728	3711	3681	3664	3650	2871
55°	3082	3066	3044	3031	3022	2747
65°	2168	2160	2143	2137	2133	2140
75°	1134	1134	1127	1124	1121	1202
85°	242	245	248	250	248	281
90°	2	2	2	2	2	12
95°	1	1	1	1	1	1
105°	2	2	2	2	2	2
115°	3	3	3	3	3	3
125°	6	6	6	6	6	5
135°	5	5	5	5	5	4
145°	4	4	4	3	4	2
155°	4	4	4	4	4	2
165°	4	4	4	4	4	1
175°	5	5	5	5	5	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4206.6	4206.6	4206.6	4206.6	4206.6
0.5°	4205.6	4208.7	4209.7	4208.7	4206.6
1°	4206.6	4208.7	4209.7	4209.7	4207.7
1.5°	4207.7	4209.7	4209.7	4209.7	4208.7
2°	4207.7	4209.7	4209.7	4210.7	4208.7
2.5°	4208.7	4210.7	4210.7	4210.7	4208.7
3°	4209.7	4210.7	4210.7	4210.7	4209.7
3.5°	4209.7	4210.7	4210.7	4210.7	4209.7
4°	4210.7	4210.7	4210.7	4210.7	4209.7
4.5°	4210.7	4211.8	4210.7	4210.7	4209.7
5°	4210.7	4211.8	4210.7	4210.7	4209.7
5.5°	4210.7	4211.8	4210.7	4210.7	4209.7
6°	4211.8	4211.8	4210.7	4210.7	4208.7
6.5°	4211.8	4212.8	4211.8	4210.7	4208.7
7°	4211.8	4212.8	4210.7	4210.7	4208.7
7.5°	4211.8	4212.8	4210.7	4209.7	4207.7
8°	4212.8	4212.8	4211.8	4209.7	4207.7
8.5°	4212.8	4213.8	4210.7	4209.7	4206.6
9°	4213.8	4213.8	4211.8	4208.7	4206.6
9.5°	4213.8	4214.8	4210.7	4208.7	4205.6
10°	4214.8	4214.8	4210.7	4207.7	4204.6
10.5°	4215.9	4215.9	4210.7	4207.7	4204.6
11°	4215.9	4215.9	4210.7	4206.6	4203.6
11.5°	4216.9	4216.9	4210.7	4205.6	4202.5
12°	4216.9	4216.9	4210.7	4205.6	4201.5
12.5°	4217.9	4216.9	4209.7	4204.6	4200.5
13°	4217.9	4216.9	4209.7	4203.6	4199.5
13.5°	4218.9	4217.9	4209.7	4202.5	4198.4
14°	4218.9	4217.9	4209.7	4201.5	4196.4
14.5°	4220.0	4217.9	4208.7	4200.5	4195.3
15°	4220.0	4218.9	4208.7	4199.5	4194.3
15.5°	4221.0	4218.9	4207.7	4197.4	4192.3
16°	4220.0	4218.9	4206.6	4196.4	4190.2
16.5°	4221.0	4218.9	4206.6	4194.3	4188.2
17°	4221.0	4217.9	4205.6	4192.3	4187.1
17.5°	4221.0	4217.9	4203.6	4191.2	4185.1
18°	4221.0	4217.9	4202.5	4189.2	4182.0
18.5°	4221.0	4216.9	4201.5	4187.1	4180.0
19°	4220.0	4216.9	4200.5	4185.1	4177.9
19.5°	4220.0	4215.9	4198.4	4182.0	4174.8
20°	4218.9	4214.8	4196.4	4180.0	4172.8
20.5°	4217.9	4213.8	4195.3	4177.9	4169.7
21°	4217.9	4212.8	4193.3	4174.8	4166.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	4213.8	4207.7	4186.1	4165.6	4156.4
23°	4211.8	4205.6	4183.0	4162.5	4153.3
23.5°	4209.7	4203.6	4180.0	4158.4	4149.2
24°	4207.7	4201.5	4176.9	4154.3	4145.1
24.5°	4205.6	4198.4	4173.8	4150.2	4141.0
25°	4202.5	4195.3	4169.7	4146.1	4136.9
25.5°	4199.5	4192.3	4165.6	4142.0	4131.7
26°	4196.4	4189.2	4161.5	4137.9	4127.6
26.5°	4193.3	4185.1	4157.4	4132.8	4122.5
27°	4189.2	4181.0	4152.3	4127.6	4117.4
27.5°	4185.1	4176.9	4147.1	4122.5	4112.2
28°	4181.0	4171.8	4142.0	4117.4	4107.1
28.5°	4175.9	4166.6	4136.9	4111.2	4101.0
29°	4170.7	4161.5	4130.7	4105.1	4094.8
29.5°	4165.6	4155.3	4124.6	4098.9	4087.6
30°	4159.4	4149.2	4117.4	4091.7	4080.4
30.5°	4153.3	4143.0	4110.2	4084.5	4074.3
31°	4146.1	4135.8	4103.0	4077.4	4066.1
31.5°	4139.9	4128.7	4094.8	4070.2	4058.9
32°	4131.7	4120.5	4087.6	4062.0	4050.7
32.5°	4123.5	4112.2	4078.4	4052.7	4041.4
33°	4115.3	4103.0	4069.2	4044.5	4032.2
33.5°	4106.1	4093.8	4059.9	4035.3	4023.0
34°	4095.8	4083.5	4049.7	4025.0	4013.7
34.5°	4085.6	4073.3	4039.4	4014.8	4003.5
35°	4075.3	4062.0	4028.1	4003.5	3992.2
35.5°	4064.0	4050.7	4016.8	3992.2	3980.9
36°	4052.7	4038.4	4004.5	3980.9	3968.6
36.5°	4039.4	4026.1	3992.2	3968.6	3957.3
37°	4026.1	4012.7	3978.9	3955.3	3944.0
37.5°	4012.7	3998.4	3965.5	3941.9	3929.6
38°	3998.4	3985.0	3951.2	3928.6	3916.3
38.5°	3984.0	3969.6	3935.8	3913.2	3901.9
39°	3968.6	3953.2	3920.4	3898.8	3886.5
39.5°	3952.2	3936.8	3905.0	3882.4	3871.1
40°	3934.7	3920.4	3887.5	3866.0	3854.7
40.5°	3918.3	3902.9	3870.1	3849.6	3837.3
41°	3899.9	3884.5	3852.7	3831.1	3818.8
41.5°	3880.4	3865.0	3833.2	3812.6	3800.3
42°	3860.9	3845.5	3813.7	3794.2	3780.8
42.5°	3840.4	3825.0	3793.2	3773.7	3761.3
43°	3819.8	3803.4	3772.6	3753.1	3740.8
43.5°	3798.3	3781.9	3751.1	3731.6	3719.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	3727.5	3711.1	3681.3	3663.9	3650.5
45.5°	3702.9	3685.4	3656.7	3639.3	3626.9
46°	3677.2	3659.8	3631.0	3613.6	3601.3
46.5°	3650.5	3633.1	3605.4	3588.0	3575.6
47°	3622.8	3606.4	3577.7	3562.3	3549.0
47.5°	3595.1	3577.7	3550.0	3534.6	3521.3
48°	3567.4	3549.0	3522.3	3505.9	3492.5
48.5°	3537.7	3520.2	3493.6	3478.2	3465.9
49°	3505.9	3489.5	3462.8	3446.4	3435.1
49.5°	3475.1	3458.7	3432.0	3416.6	3404.3
50°	3443.3	3425.8	3401.2	3385.8	3373.5
50.5°	3410.5	3393.0	3368.4	3353.0	3341.7
51°	3377.6	3360.2	3335.6	3320.2	3307.9
51.5°	3342.7	3325.3	3300.7	3286.3	3275.0
52°	3307.9	3290.4	3265.8	3252.4	3241.2
52.5°	3273.0	3255.5	3230.9	3216.5	3206.3
53°	3235.0	3218.6	3196.0	3182.7	3171.4
53.5°	3197.0	3180.6	3158.1	3144.7	3134.5
54°	3159.1	3142.7	3120.1	3106.8	3097.5
54.5°	3122.1	3104.7	3083.2	3069.8	3060.6
55°	3082.1	3065.7	3044.2	3030.8	3021.6
55.5°	3042.1	3025.7	3004.2	2990.8	2982.6
56°	3000.0	2984.7	2963.1	2951.8	2943.6
56.5°	2958.0	2943.6	2922.1	2910.8	2902.6
57°	2916.9	2901.6	2881.0	2870.8	2862.6
57.5°	2875.9	2859.5	2839.0	2828.7	2820.5
58°	2830.8	2815.4	2795.9	2785.6	2778.4
58.5°	2786.6	2772.3	2751.8	2742.5	2735.3
59°	2742.5	2728.2	2708.7	2699.4	2692.2
59.5°	2696.4	2683.0	2663.5	2654.3	2647.1
60°	2651.2	2636.8	2618.4	2610.2	2603.0
60.5°	2605.0	2592.7	2573.2	2565.0	2557.8
61°	2557.8	2545.5	2527.1	2518.9	2511.7
61.5°	2509.6	2499.4	2480.9	2472.7	2466.5
62°	2462.4	2452.2	2433.7	2426.5	2420.4
62.5°	2414.2	2403.9	2385.5	2378.3	2372.1
63°	2366.0	2355.7	2338.3	2331.1	2324.9
63.5°	2316.7	2306.5	2290.1	2282.9	2276.7
64°	2267.5	2257.2	2239.8	2234.6	2227.5
64.5°	2218.2	2208.0	2190.5	2185.4	2179.2
65°	2168.0	2159.7	2143.3	2137.2	2133.1
65.5°	2118.7	2108.4	2093.1	2087.9	2081.8
66°	2066.4	2058.2	2042.8	2037.7	2033.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1914.5	1905.3	1892.0	1886.8	1881.7
68°	1862.2	1854.0	1840.7	1836.6	1831.4
68.5°	1809.9	1801.7	1788.3	1785.3	1782.2
69°	1757.6	1749.3	1738.1	1735.0	1730.9
69.5°	1706.3	1698.0	1687.8	1684.7	1679.6
70°	1653.9	1646.7	1636.5	1633.4	1628.3
70.5°	1601.6	1594.4	1585.2	1582.1	1577.0
71°	1549.3	1543.1	1534.9	1530.8	1525.7
71.5°	1498.0	1491.8	1482.6	1479.5	1475.4
72°	1445.6	1440.5	1431.3	1429.2	1424.1
72.5°	1393.3	1389.2	1380.0	1377.9	1373.8
73°	1341.0	1336.9	1327.7	1325.6	1322.5
73.5°	1289.7	1285.6	1277.4	1274.3	1271.2
74°	1238.4	1235.3	1227.1	1225.1	1221.0
74.5°	1186.1	1184.0	1176.8	1173.8	1170.7
75°	1133.7	1133.7	1126.6	1124.5	1121.4
75.5°	1083.5	1083.5	1076.3	1074.2	1071.2
76°	1033.2	1033.2	1026.0	1024.1	1020.0
76.5°	982.4	982.8	976.8	974.6	971.2
77°	933.8	934.2	928.7	926.0	922.6
77.5°	881.8	884.2	879.7	877.2	873.9
78°	833.2	836.3	831.7	829.7	826.9
78.5°	787.5	789.4	786.4	784.1	780.1
79°	739.5	741.1	739.1	737.1	733.2
79.5°	692.4	694.9	693.6	691.7	687.2
80°	647.1	649.0	649.3	646.5	642.3
80.5°	599.5	603.3	603.9	601.1	599.0
81°	555.5	559.1	560.1	558.5	555.6
81.5°	512.2	516.4	517.3	516.4	512.7
82°	468.8	473.9	475.5	474.7	470.6
82.5°	427.3	433.1	434.7	434.1	430.3
83°	387.1	393.4	394.9	395.4	391.9
83.5°	348.2	354.2	356.1	356.7	352.9
84°	310.9	316.2	318.7	319.7	316.5
84.5°	275.4	279.7	282.7	284.0	282.5
85°	241.9	245.0	247.8	249.6	247.5
85.5°	209.5	212.0	214.0	216.9	215.2
86°	179.3	181.8	183.2	185.5	185.5
86.5°	150.6	151.7	152.9	155.5	155.5
87°	123.1	123.2	123.6	127.0	127.1
87.5°	95.0	95.8	96.2	99.2	100.2
88°	67.0	69.4	70.0	72.7	72.5
88.5°	47.4	47.4	47.3	50.1	50.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	2.3	2.2	2.3	2.4	2.2
90.5°	0.7	0.6	0.7	0.8	0.7
91°	0.7	0.6	0.6	0.7	0.6
91.5°	0.9	0.7	0.8	0.6	0.5
92°	0.7	0.7	0.7	0.8	0.7
92.5°	0.8	0.7	0.7	0.8	0.7
93°	0.8	0.8	0.8	0.7	0.6
93.5°	0.9	0.7	0.8	0.8	0.9
94°	0.9	0.8	0.9	0.8	1.0
94.5°	0.9	0.9	0.8	0.9	0.9
95°	0.9	0.7	0.9	0.8	1.0
95.5°	0.8	0.9	1.0	0.9	1.0
96°	1.1	1.1	0.9	0.9	1.0
96.5°	1.1	1.0	1.0	0.9	1.0
97°	1.1	1.0	1.1	0.9	1.2
97.5°	1.2	1.0	1.0	0.9	1.2
98°	1.3	1.1	1.1	1.1	1.3
98.5°	1.3	1.1	1.0	1.0	1.2
99°	1.2	1.2	1.1	1.0	1.1
99.5°	1.3	1.0	1.2	1.1	1.1
100°	1.3	1.2	1.2	1.2	1.3
100.5°	1.3	1.3	1.2	1.3	1.3
101°	1.4	1.2	1.2	1.2	1.2
101.5°	1.5	1.2	1.3	1.3	1.4
102°	1.6	1.3	1.4	1.3	1.4
102.5°	1.4	1.3	1.3	1.4	1.4
103°	1.4	1.2	1.4	1.3	1.4
103.5°	1.5	1.5	1.4	1.4	1.3
104°	1.7	1.5	1.5	1.4	1.3
104.5°	1.5	1.6	1.6	1.6	1.4
105°	1.8	1.6	1.5	1.7	1.7
105.5°	1.7	1.4	1.6	1.5	1.5
106°	1.6	1.6	1.7	1.7	1.8
106.5°	1.8	1.6	1.7	1.6	1.5
107°	1.7	1.7	1.8	1.8	1.6
107.5°	1.9	1.7	1.8	1.9	1.8
108°	1.9	1.7	1.6	1.9	1.7
108.5°	1.9	1.9	1.9	1.8	1.7
109°	2.1	1.9	1.9	1.9	2.1
109.5°	2.2	1.8	2.2	2.1	1.8
110°	2.1	2.1	2.1	2.2	2.1
110.5°	2.2	2.1	2.2	2.2	2.3
111°	2.2	2.3	2.3	2.3	2.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L935-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.6	2.7	2.6	2.4
113°	2.8	2.5	2.5	2.6	2.6
113.5°	2.8	2.8	2.8	2.9	2.9
114°	2.9	2.9	3.0	3.0	2.9
114.5°	3.1	3.1	3.0	3.0	2.8
115°	3.1	3.1	3.0	3.1	3.0
115.5°	3.4	3.1	3.3	3.2	3.0
116°	3.3	3.4	3.4	3.3	3.2
116.5°	3.5	3.5	3.5	3.5	3.4
117°	3.7	3.7	3.7	3.7	3.3
117.5°	3.9	3.7	3.8	3.7	3.5
118°	3.9	3.8	4.0	3.8	3.6
118.5°	4.2	4.0	4.0	3.9	3.8
119°	4.2	4.2	4.3	4.0	4.0
119.5°	4.3	4.3	4.3	4.2	4.1
120°	4.5	4.5	4.4	4.3	4.4
120.5°	4.6	4.4	4.6	4.5	4.4
121°	4.6	4.6	4.6	4.6	4.4
121.5°	5.1	4.9	4.8	4.6	4.6
122°	4.8	5.1	4.9	4.8	4.9
122.5°	5.2	5.1	5.0	5.0	4.8
123°	5.3	5.3	5.1	5.1	5.0
123.5°	5.3	5.5	5.2	5.0	5.2
124°	5.4	5.5	5.4	5.2	5.2
124.5°	5.7	5.5	5.4	5.3	5.3
125°	6.0	5.7	5.6	5.5	5.5
125.5°	6.0	5.8	5.6	5.5	5.6
126°	6.0	5.7	5.6	5.6	5.5
126.5°	5.7	5.8	6.0	5.6	5.7
127°	6.0	6.0	5.7	5.6	5.5
127.5°	6.2	6.1	6.0	5.6	5.5
128°	6.2	5.8	5.8	5.6	5.7
128.5°	6.0	6.0	5.7	5.5	5.7
129°	5.8	5.8	5.7	5.6	5.5
129.5°	5.7	5.8	5.7	5.6	5.6
130°	5.7	5.8	5.6	5.4	5.5
130.5°	6.0	5.7	5.7	5.2	5.5
131°	5.6	5.6	5.6	5.3	5.4
131.5°	5.7	5.5	5.3	5.2	5.3
132°	5.6	5.4	5.4	5.2	5.2
132.5°	5.6	5.4	5.3	5.2	5.3
133°	5.4	5.2	5.2	4.9	5.1
133.5°	5.5	5.2	5.0	4.8	5.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L935-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	5.3	5.0	4.8	4.7	5.1
135.5°	5.0	5.1	4.8	4.6	4.9
136°	4.9	4.8	4.6	4.4	4.9
136.5°	5.0	4.8	4.6	4.4	4.8
137°	4.9	4.7	4.6	4.4	4.7
137.5°	4.8	4.6	4.5	4.2	4.5
138°	4.7	4.5	4.3	4.2	4.5
138.5°	4.8	4.5	4.4	4.1	4.4
139°	4.2	4.4	4.3	3.9	4.5
139.5°	4.5	4.2	4.1	4.0	4.4
140°	4.4	4.1	4.2	3.9	4.1
140.5°	4.4	4.1	4.1	3.9	4.1
141°	4.2	4.1	4.0	3.7	3.9
141.5°	3.9	4.1	4.1	3.7	3.9
142°	3.8	3.8	4.0	3.8	3.6
142.5°	3.8	4.0	3.9	3.7	3.6
143°	4.0	3.9	3.9	3.8	3.6
143.5°	4.0	3.9	3.9	3.6	3.6
144°	4.0	3.7	4.0	3.5	3.7
144.5°	3.8	3.7	3.8	3.6	3.7
145°	3.9	3.7	3.8	3.4	3.7
145.5°	3.8	3.6	3.7	3.4	3.9
146°	3.8	3.6	3.5	3.4	3.7
146.5°	3.9	3.6	3.5	3.4	3.7
147°	3.8	3.6	3.4	3.5	3.5
147.5°	3.7	3.6	3.4	3.5	3.8
148°	3.8	3.6	3.5	3.4	3.8
148.5°	3.9	3.7	3.5	3.4	3.8
149°	3.8	3.6	3.5	3.4	3.8
149.5°	4.0	3.5	3.5	3.4	3.9
150°	3.9	3.7	3.5	3.4	3.8
150.5°	3.8	3.6	3.5	3.5	3.8
151°	4.0	3.6	3.4	3.5	4.0
151.5°	3.9	3.7	3.4	3.5	4.0
152°	4.0	3.7	3.6	3.7	3.8
152.5°	4.0	3.8	3.5	3.6	4.0
153°	3.9	3.7	3.6	3.8	4.1
153.5°	4.2	3.8	3.5	3.7	4.0
154°	4.0	3.8	3.7	3.7	4.0
154.5°	4.0	3.7	3.7	3.9	4.1
155°	3.8	3.8	3.8	3.9	4.2
155.5°	4.0	3.7	3.7	3.8	4.1
156°	3.8	3.8	3.8	3.8	4.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L935-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	3.8	3.6	3.7	3.9	4.0
158°	4.1	3.8	3.7	3.8	4.1
158.5°	3.9	3.8	3.6	3.8	4.0
159°	4.0	3.8	3.7	3.8	4.2
159.5°	3.9	3.7	3.7	3.8	4.3
160°	3.9	3.8	3.6	3.8	4.1
160.5°	3.8	3.7	3.7	3.9	4.1
161°	3.8	3.7	3.7	3.9	4.1
161.5°	3.9	3.8	3.7	3.7	3.9
162°	3.8	3.7	3.8	3.9	3.9
162.5°	4.0	3.9	3.8	3.8	4.0
163°	4.0	3.8	3.9	3.9	3.9
163.5°	3.9	3.8	3.9	3.9	4.2
164°	3.8	3.9	3.8	4.1	4.1
164.5°	3.7	4.0	3.9	4.1	4.2
165°	3.8	3.8	3.7	4.0	4.1
165.5°	3.6	3.8	3.7	4.3	4.1
166°	3.9	3.9	3.8	4.1	4.0
166.5°	3.9	3.8	3.7	4.2	3.8
167°	3.8	4.1	3.8	4.3	4.2
167.5°	3.9	4.1	3.9	4.4	4.2
168°	4.0	4.0	3.8	4.3	4.1
168.5°	3.9	4.2	4.0	4.6	4.2
169°	4.2	4.1	3.8	4.6	4.2
169.5°	4.1	4.1	3.9	4.5	4.3
170°	4.2	4.1	4.0	4.6	4.2
170.5°	4.2	4.3	4.0	4.6	4.4
171°	4.2	4.2	4.2	4.6	4.5
171.5°	4.1	4.2	4.2	4.7	4.3
172°	4.1	4.2	4.3	4.7	4.4
172.5°	4.3	4.3	4.4	4.7	4.4
173°	4.1	4.1	4.4	4.7	4.5
173.5°	4.4	4.3	4.5	4.6	4.6
174°	4.5	4.5	4.8	4.7	4.5
174.5°	4.5	4.7	4.7	4.9	4.7
175°	4.8	4.7	4.8	4.9	4.6
175.5°	4.8	4.7	5.0	4.8	4.8
176°	5.0	4.9	4.8	4.7	4.7
176.5°	5.1	4.8	4.9	4.5	4.7
177°	4.9	4.8	4.6	4.5	4.7
177.5°	5.0	4.8	4.5	4.4	4.8
178°	4.7	4.6	4.4	4.4	4.5
178.5°	4.6	4.5	4.3	4.3	4.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L935-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.0	4.0	4.0	4.0	4.0



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— 0°-180° - - 45°-225° - - - - 90°-270°







21.5°	4216.9	4211.8	4191.2	4171.8	4163.5
22°	4214.8	4209.7	4188.2	4168.7	4160.5



44°	3774.7	3759.3	3728.5	3710.0	3697.7
44.5°	3751.1	3734.7	3705.9	3686.4	3674.1



66.5°	2016.1	2007.9	1992.5	1987.4	1982.2
67°	1965.8	1956.6	1942.2	1937.1	1933.0



89°	30.0	29.4	29.1	30.7	31.1
89.5°	13.2	13.4	13.1	14.1	13.9



111.5°	2.6	2.3	2.4	2.4	2.3
112°	2.6	2.4	2.4	2.4	2.6



134°	5.2	5.1	5.0	4.9	5.2
134.5°	5.3	5.0	5.0	4.7	4.9



156.5°	4.0	3.7	3.8	3.9	4.0
157°	3.9	3.7	3.8	3.8	4.0



179°	4.4	4.3	4.1	4.2	4.4
179.5°	3.9	4.1	4.0	3.9	4.2



(END OF REPORT)